

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	65	glaucoma and ("E3-14. 7K-interacting protein" or FIP2 or GLC1E or HGNC:4305 or HIP7 or Huntingtin or HYPL or NRP or optineurin or optn or "TFIII-INTP") and (polymorphism or allele or.snp or mutation or genotype or haplotype)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/31 11:24
L2	100	glaucoma and ("E3-14. 7K-interacting protein" or FIP2 or GLC1E or HGNC:4305 or HIP7 or Huntingtin or HYPL or NRP or optineurin or optn or "TFIII-INTP") and (polymorphism or allele or.snp or mutation or genotype or haplotype)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/31 11:24
L3	30	I2 and @ad<"20020228"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/31 11:28
L4	2	I2 and rezaie.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/31 11:29
L5	4	I2 and sarfarazi.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/31 11:29
L6	2	I2 and child.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/31 11:34
L7	0	I2 and "St.George's".as.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/31 11:34
L8	0	I2 and enterprises.as.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/31 11:34
L9	3	I2 and connecticut.as.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/31 11:35
L10	9	sornasse.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/31 11:35

RESULT 9  
AAH57391  
ID AAH57391 standard; cDNA; 3454 BP.  
XX  
AC AAH57391;  
XX  
DT 10-SEP-2001 (first entry)  
XX  
DE Human skeletal muscle cell specific cDNA sequence SEQ ID NO:231.  
XX  
KW Human; tissue specific; diagnosis; brain; heart; skeletal muscle; lung;  
KW liver; uterus; ovary; stomach; intestine; kidney; pancreas; ss;  
KW metabolic disease; developmental disease; cytostatic; immunomodulatory;  
KW neuroprotective; gene therapy; cancer; immunopathology; neuropathology.  
XX  
OS Homo sapiens.  
XX  
PN WO200132927-A2.  
XX  
PD 10-MAY-2001.  
XX  
PF 02-NOV-2000; 2000WO-US030396.  
XX  
PR 04-NOV-1999; 99US-0163508P.  
XX  
PA (INCY-) INCYTE GENOMICS INC.  
XX  
PI Sornasse T, Seilhamer JJ, Watson GA;  
XX  
DR WPI; 2001-291057/30.  
XX  
PT New cell and tissue specific polynucleotides useful for diagnosis,  
PT prognosis or monitoring of treatments for disorders where the gene is  
PT associated with a cancer, immunopathology or neuropathology.  
XX  
PS Claim 1; Page 159-160; 327pp; English.  
XX  
CC AAH57161 to AAH57576 represent cell and tissue specific polynucleotide  
CC sequences (I). (I) can have cytostatic, immunomodulatory and  
CC neuroprotective activities, and can be used in gene therapy. (I) and  
CC proteins (II) encoded by them are used in high throughput screening  
CC assays to select DNA molecules, RNA molecules, peptide nucleic acids,  
CC mimetics, peptides, proteins, agonists, antagonists, antibodies or their  
CC fragments, immunoglobulins, inhibitors, drug compounds and pharmaceutical  
CC agents. Expression of (I) in a sample indicates the differentiation of  
CC embryonic stem cells into a tissue selected from brain, heart, kidney,  
CC liver, lung, skeletal muscle or pancreatic tissues. (I) and (II) are used  
CC to produce an expression profile that defines a metabolic or  
CC developmental process, treatment, condition, disease or disorder. The  
CC gene profile can be used for diagnosis, prognosis or monitoring of  
CC treatments and for investigating a predisposition to a disorder where the  
CC gene is associated with a cancer, immunopathology or neuropathology  
XX  
SQ Sequence 3454 BP; 1094 A; 725 C; 794 G; 841 T; 0 U; 0 Other;

Query Match 95.2%; Score 1976.8; DB 4; Length 3454;  
Best Local Similarity 99.8%; Pred. No. 0;

Matches 2000; Conservative 0; Mismatches 2; Indels 2; Gaps 2;

Qy 1 ATCCC GGTCGGGAGTTCTCTCCAGGC GGACGATGCCGAGGAAACAGTGACCC TGAGCGA 60  
Db |||||||  
Qy 16 ATCCC GGTCGGGAGTTCTCTCCAGGC GGACGATGCCGAGGAAACAGTGACCC TGAGCGA 75  
Db |||||||  
Qy 61 AGCCAAGCCGGCGGCAGGTGTGGCTTGATAGCTGGTGGTGCACCTCCTGGC TTGGA 120  
Db |||||||  
Qy 76 AGCCAAGCCGGCGGCAGGTGTGGCTTGATAGCTGGTGGTGCACCTCCTGGC TTGGA 135  
Db |||||||  
Qy 121 TGAGCCGTACGCCTCTGTAAACCCAACCTCCTCACCTTGAAACAGCTGCCTGGTCAGC 180  
Db |||||||  
Qy 136 TGAGCCGTACGCCTCTGTAAACCCAACCTCCTCACCTTGAAACAGCTGCCTGGTCAGC 195  
Db |||||||  
Qy 181 ATTAATGAAGAGATTAGTCAGTGACAGGCCTGGTGTGCTGAGTCCGCACATAGAAGAACCAA 240  
Db |||||||  
Qy 196 ATTAATGAAGAGATTAGTCAGTGACAGGCCTGGTGTGCTGAGTCCGCACATAGAAGAACCAA 255  
Db |||||||  
Qy 241 AAATGTCCAAAATGTAAC TGGAGAGAAAGTGGCAACTTT-GGAGTGACTTTCCACAG 299  
Db |||||||  
Qy 256 AAATGTCCAAAATGTAAC TGGAGAGAAAGTGGCAACTTTGGAGTGACTTTCCACAG 315  
Db |||||||  
Qy 300 GAACTTCTGCAATGTCCC ATCAACCTCTCAGCTGCCTCACTGAAAAGGAGGACAGCCCCA 359  
Db |||||||  
Qy 316 GAACTTCTGCAATGTCCC ATCAACCTCTCAGCTGCCTCACTGAAAAGGAGGACAGCCCCA 375  
Db |||||||  
Qy 360 GTGAAAGCACAGGAATGGACCCCCC ACCTGGCCACCCAAACCT-GGACACGTTTACC 418  
Db |||||||  
Qy 376 GTGAAAGCACAGGAATGGACCCCCC ACCTGGCCACCCAAACCTGGACACGTTTACC 435  
Db |||||||  
Qy 419 CCGGAGGAGCTGCTGCAGCAGATGAAAGAGCTCCTGACCAAGAACCAACAGCTGAAAGAA 478  
Db |||||||  
Qy 436 CCGGAGGAGCTGCTGCAGCAGATGAAAGAGCTCCTGACCGAGAACCAACAGCTGAAAGAA 495  
Db |||||||  
Qy 479 GCCATGAAGCTAAATAATCAAGCCATGAAAGGGAGATTGAGGAGCTTCGGC CTGGACA 538  
Db |||||||  
Qy 496 GCCATGAAGCTAAATAATCAAGCCATGAAAGGGAGATTGAGGAGCTTCGGC CTGGACA 555  
Db |||||||  
Qy 539 GAGAAACAGAAGGAAGAACGCCAGTTTTGAGATA CAGAGCAAAGAACAAAGAGCGT 598  
Db |||||||  
Qy 556 GAGAAACAGAAGGAAGAACGCCAGTTTTGAGATA CAGAGCAAAGAACAAAGAGCGT 615  
Db |||||||  
Qy 599 CTAATGGC TTGAGTCATGAGAATGAGAAATTGAGGAAGAGCTTGAAA ACTAAAAGGG 658  
Db |||||||  
Qy 616 CTAATGGC TTGAGTCATGAGAATGAGAAATTGAGGAAGAGCTTGAAA ACTAAAAGGG 675  
Db |||||||  
Qy 659 AAATCAGAAAGGT CATCTGAGGACCCACTGATGACTCCAGGCTCCAGGGCCGAAGCG 718  
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Qy 676 AAATCAGAAAGGT CATCTGAGGACCCACTGATGACTCCAGGCTCCAGGGCCGAAGCG 735  
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Qy 719 GAGCAGGAAAAGGACCA GCTCAGGACCCAGGTGGTGAGGCTACAAGCAGAGAACCGAGAC 778  
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Qy 736 GAGCAGGAAAAGGACCA GCTCAGGACCCAGGTGGTGAGGCTACAAGCAGAGAACCGAGAC 795  
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Qy 779 CTGTTGGC ATCGTGTCTGAACTGCAGCTCAAGCTGAACCTCCAGCGGCTCCTCAGAAGAT 838  
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Qy 796 CTGTTGGC ATCGTGTCTGAACTGCAGCTCAAGCTGAACCTCCAGCGGCTCCTCAGAAGAT 855  
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Qy 839 TCCTTGTTGAAATTAGGATGGCTGAAGGAGAACAGAAGGGTCAGTAAAAGAAATCAAG 898  
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Db 856 TCCTTGTTGAAATTAGGATGGCTGAAGGAGAACAGAAGGGTCAGTAAAAGAAATCAAG 915  
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Qy 899 CATAGTCCTGGGCCACGAGAACAGTCTCCACTGGCACGGCATTGTCTAAATATAGGAGC 958  
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Db 916 CATAGTCCTGGGCCACGAGAACAGTCTCCACTGGCACGGCATTGTCTAAATATAGGAGC 975  
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Qy 959 AGATCTGCAGATGGGCCAAGAATTACTCGAACATGAGGAGTTAAGTGTGAGCCAGCTC 1018  
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Db 976 AGATCTGCAGATGGGCCAAGAATTACTCGAACATGAGGAGTTAAGTGTGAGCCAGCTC 1035  
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Qy 1019 CTGCTGTGCCTAAGGAAGGGATCAGAAGGTGGAGAGACTTGAAGTTGCACTCAAGGAG 1078  
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Db 1036 CTGCTGTGCCTAAGGAAGGGATCAGAAGGTGGAGAGACTTGAAGTTGCACTCAAGGAG 1095  
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Qy 1079 GCCAAAGAAAGAGTTCAGATTTGAAAAGAAAACAAGTAATCGTTCTGAGATTGAAACC 1138  
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Db 1096 GCCAAAGAAAGAGTTCAGATTTGAAAAGAAAACAAGTAATCGTTCTGAGATTGAAACC 1155  
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Qy 1139 CAGACAGAGGGGAGCACAGAGAACAGAGAACATGATGAAGAGAACAGGCCGGAGACTGTTGGA 1198  
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Db 1156 CAGACAGAGGGGAGCACAGAGAACAGAGAACATGATGAAGAGAACAGGCCGGAGACTGTTGGA 1215  
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Qy 1199 AGCGAAGTGGAAAGCACTGAACCTCCAGGTGACATCTCTGTTAAGGAGCTTCAAGAGGCT 1258  
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Db 1216 AGCGAAGTGGAAAGCACTGAACCTCCAGGTGACATCTCTGTTAAGGAGCTTCAAGAGGCT 1275  
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Qy 1259 CATAACAAACTCAGCGAACGCTGAGCTAATGAAGAACAGAACATTCAAGAAAAGTGTCAAGGCC 1318  
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Db 1276 CATAACAAACTCAGCGAACGCTGAGCTAATGAAGAACAGAACATTCAAGAAAAGTGTCAAGGCC 1335  
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Qy 1319 CTTGAAAGGAAAAATTCTGCAATTCCATCAGAGTTGAATGAAAAGCAAGAGACTTGTGTTTAT 1378  
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Db 1336 CTTGAAAGGAAAAATTCTGCAATTCCATCAGAGTTGAATGAAAAGCAAGAGACTTGTGTTTAT 1395  
||| ||| ||| ||| ||| ||| ||| |||  
Qy 1379 ACTAACAAAAAGTTAGAGCTACAAGTGGAAAGCATGCTATCAGAAATCAAATGGAACAG 1438  
||| ||| ||| ||| ||| ||| ||| |||  
Db 1396 ACTAACAAAAAGTTAGAGCTACAAGTGGAAAGCATGCTATCAGAAATCAAATGGAACAG 1455  
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Qy 1439 GCTAAACAGAGGATGAAAAGTCCAAATTAACTGTGCTACAGATGACACACAAGCTT 1498  
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Db 1456 GCTAAACAGAGGATGAAAAGTCCAAATTAACTGTGCTACAGATGACACACAAGCTT 1515  
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Qy 1499 CTTCAAGAACATAATAATGCATTGAAAACAATTGAGGAACATAACAAGAAAAGAGTCAGAA 1558  
||| ||| ||| ||| ||| ||| ||| |||  
Db 1516 CTTCAAGAACATAATAATGCATTGAAAACAATTGAGGAACATAACAAGAAAAGAGTCAGAA 1575  
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Qy 1559 AAAGTGGACAGGGCAGTGCTGAAGGAACGTGAGTAAAAACTGGAACCTGGCAGAGAACAGCT 1618  
||| ||| ||| ||| ||| ||| ||| |||  
Db 1576 AAAGTGGACAGGGCAGTGCTGAAGGAACGTGAGTAAAAACTGGAACCTGGCAGAGAACAGCT 1635  
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Qy 1619 CTGGCTTCCAAACAGCTGCAAATGGATGAAATGAAGCAAACCATGCCAAGCAGGAAGAG 1678  
||| ||| ||| ||| ||| ||| ||| |||  
Db 1636 CTGGCTTCCAAACAGCTGCAAATGGATGAAATGAAGCAAACCATGCCAAGCAGGAAGAG 1695

Qy 1679 GACCTGGAAACCATGACCATCCTCAGGGCTCAGATGGAAGTTACTGTTCTGATTTCAT 1738  
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||  
Db 1696 GACCTGGAAACCATGACCATCCTCAGGGCTCAGATGGAAGTTACTGTTCTGATTTCAT 1755  
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||  
Qy 1739 GCTGAAAGAGCAGCGAGAGAGAAAATTCATGAGGAAAAGGAGCACTGGCATTGCAGCTG 1798  
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||  
Db 1756 GCTGAAAGAGCAGCGAGAGAGAAAATTCATGAGGAAAAGGAGCACTGGCATTGCAGCTG 1815  
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||  
Qy 1799 GCAGTTCTGCTGAAAGAGAATGATGCTTCGAAGACGGAGGCAGGCAGTCCTGATGGAG 1858  
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||  
Db 1816 GCAGTTCTGCTGAAAGAGAATGATGCTTCGAAGACGGAGGCAGGCAGTCCTGATGGAG 1875  
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Qy 1859 ATGCAGAGTCGTATGGCGAGAACAAAGTGACTCTGACCAGCAGGCTTACCTGTTCAA 1918  
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||  
Db 1876 ATGCAGAGTCGTATGGCGAGAACAAAGTGACTCTGACCAGCAGGCTTACCTGTTCAA 1935  
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Qy 1919 AGAGGAGCTGAGGACAGGGACTGGCGAACAGCGGAATATTCCGATTCTGCCTGCC 1978  
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Db 1936 AGAGGAGCTGAGGACAGGGACTGGCGAACAGCGGAATATTCCGATTCTGCCTGCC 1995  
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Qy 1979 AAGTGTGGAGAGGTTCTGCCTGAC 2002  
||| ||| ||| ||| ||| ||| ||| |||  
Db 1996 AAGTGTGGAGAGGTTCTGCCTGCC 2019